

DOE Chemical Safety Performance: A Review of the Occurrence Reporting and Processing System

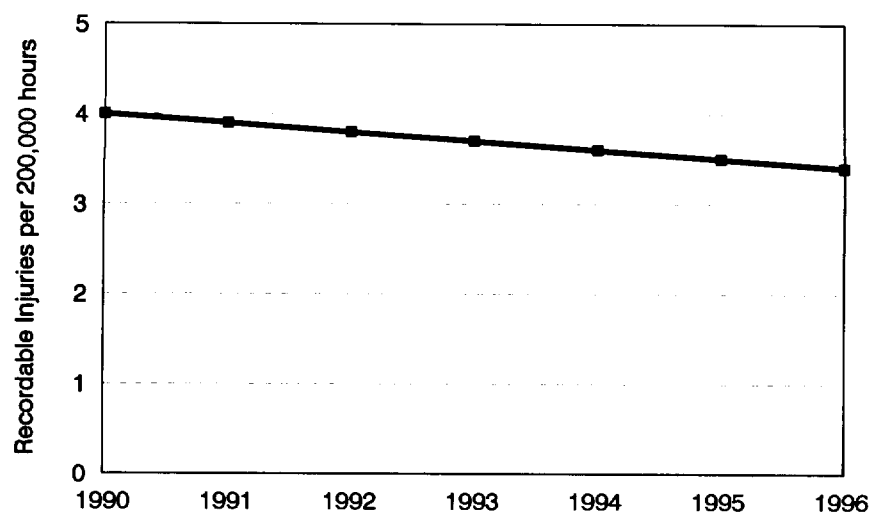
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July 24, 1997

Chemical Occurrences <<http://www.dne.bnl.gov/etd/csc>>

DOE and Contractor

Total Injury and Illness Incidence Rates



Summary of Occurrences

- Chemical Reactions
- Fires / Explosions
- Material Transfers
- Chemical Inventories
- Spills / Releases / Exposures

7/24/97

Common Issues / Causes

- Hazard Identification / Recognition
- Work Package Planning
- Procedure Development / Use
- Emergency Planning

- Communication
- Training
- Supervision

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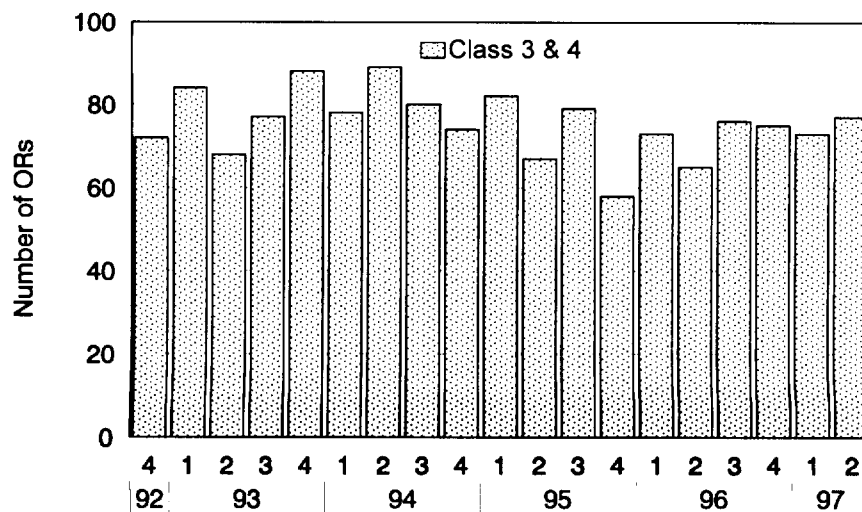
Lessons Learned

- Integration of hazard analysis and work package planning
- Thoughtful hazard control
- Development of chemical/waste handling procedures
- Specific, effective training

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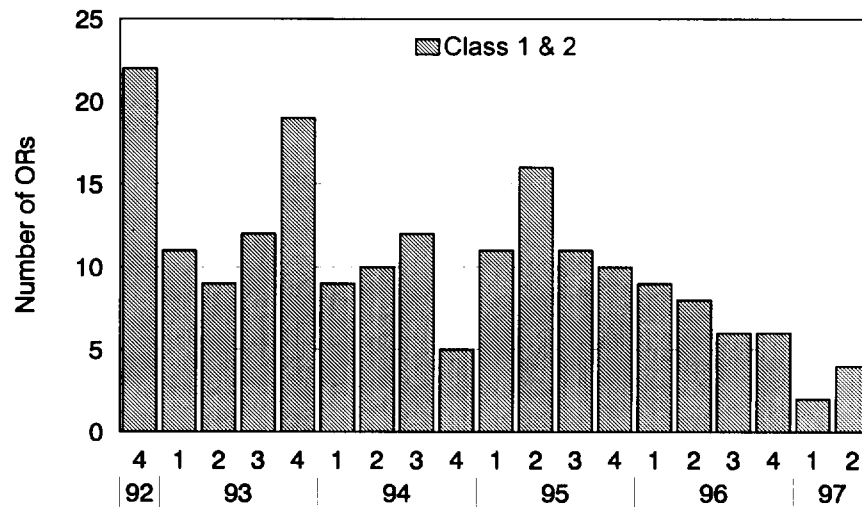
Quarterly Trend (Without USEC)

Chemical Safety ORs



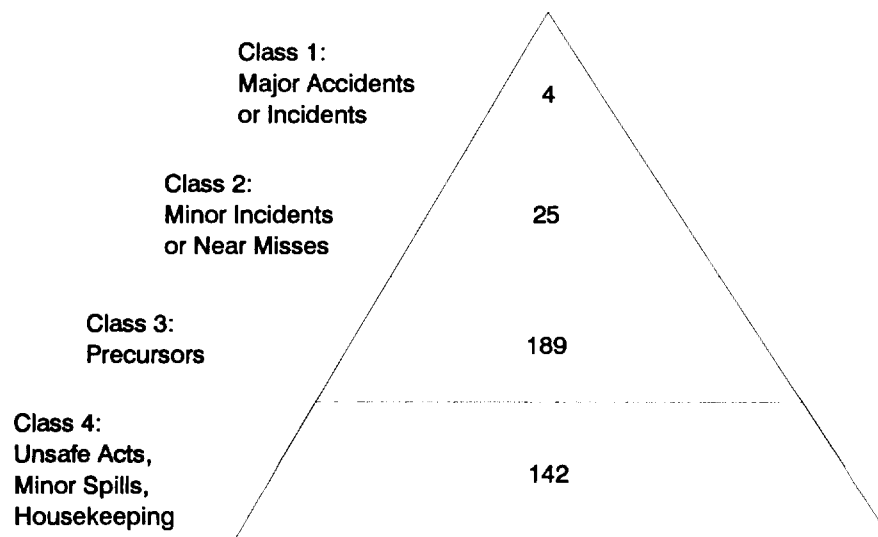
Quarterly Trend (Without USEC)

Chemical Safety ORs



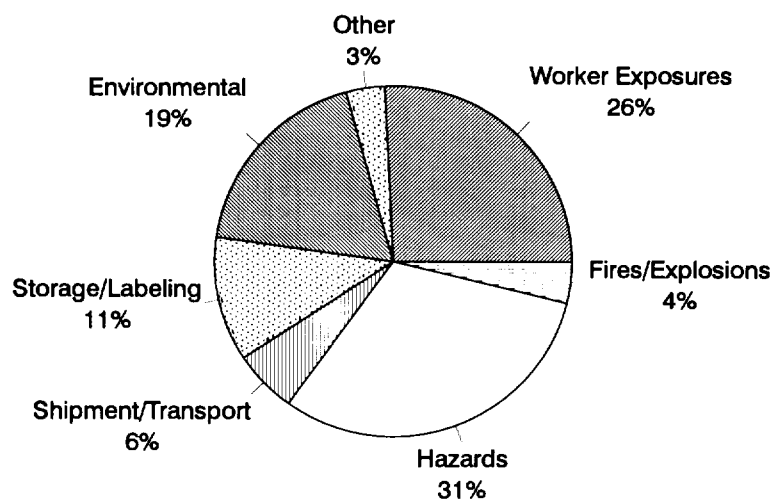
Chemical Safety ORs

January - December 1996



Types of Chemical Safety Concerns

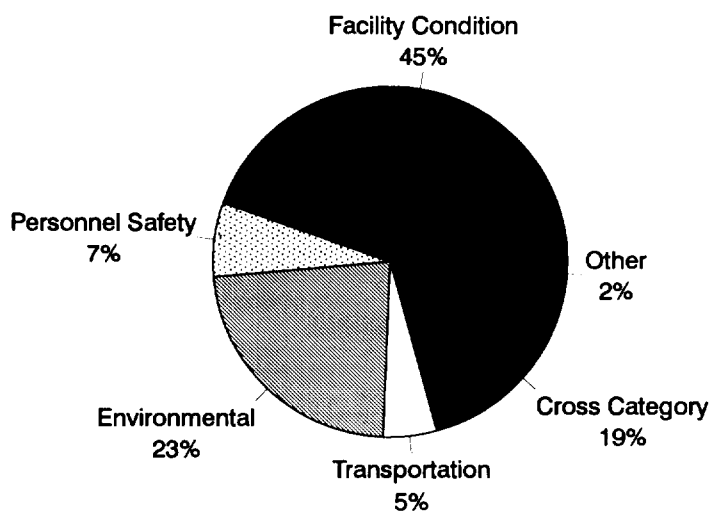
Chemical Safety ORs



Jan. - Dec. 1996

Nature of Occurrence

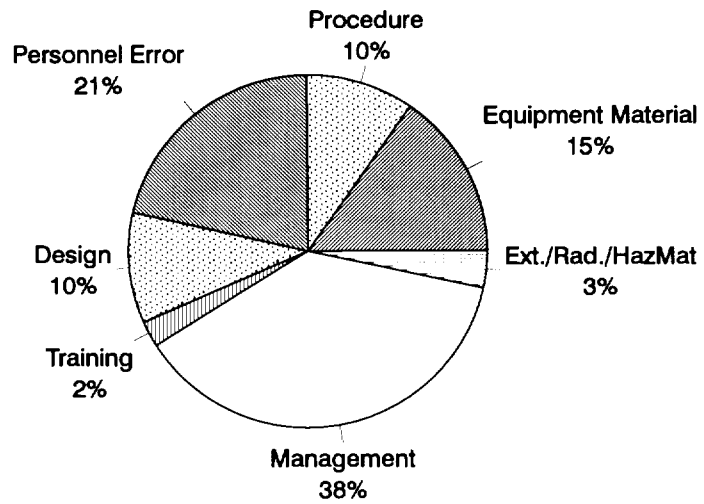
Chemical Safety ORs



Jan. - Dec. 1996

Root Cause

Chemical Safety ORs



Jan. - Dec. 1996